

Amendments to the Claims:

This listing of claims will replace all prior listings of claims in the application.

Listing Of Claims:

Claim 1 (**original**). A camera comprising:

an image-taking optical system which includes a focusing lens that is movable in an optical axis direction to carry out focusing,

a drive unit which drives the focusing lens to a target position,

a pulse generator which outputs pulse signals in accordance with movement of the focusing lens, and

a stop judging unit which judges that the focusing lens has stopped at the target position based on pulse signals from the pulse generator,

wherein the stop judging unit judges the status of the image-taking optical system, and selectively carries out, depending on the detected status of the image-taking optical system, a first stop judgement in which it is judged that the focusing lens has stopped at the target position by detecting that the count value of pulse signals from the pulse generator has reached a count value corresponding to the target position, and a second stop judgement in which it is judged that the focusing lens has stopped at the target position by detecting that the output signal from the pulse generator does not change for a predetermined period or more.

Claim 2 (**original**). The camera according to Claim 1, wherein the stop judging unit detects the focal length of the image-taking optical system as the status of the image-taking optical system, and carries out the first stop judgement when the focal length of the image-taking optical system is closer to the wide-angle side than a predetermined focal length, and

carries out the second stop judgement when the focal length of the image-taking optical system is closer to the telephoto side than the predetermined focal length.

Claim 3 (original). The camera according to Claim 1, wherein the image-taking optical system includes a stop, and the stop judging unit detects a set value of the stop as the status of the image-taking optical system, and carries out the first stop judgement when the set value of the stop is closer to the narrowed side than a predetermined value, and carries out the second stop judgement when the set value of the stop is closer to the open side than the predetermined value.

Claim 4 (original). The camera according to Claim 1, wherein in the second stop judgement, the predetermined period differs depending on the status of the image-taking optical system.

Claim 5 (original). A lens apparatus which is attachable to a camera, comprising:
an image-taking optical system which includes a focusing lens that is movable in an optical axis direction to carry out focusing,

a drive unit which drives the focusing lens to a target position,

a pulse generator which outputs pulse signals in accordance with movement of the focusing lens, and

a stop judging means which judges that the focusing lens has stopped at the target position based on pulse signals from the pulse generator,

wherein the stop judging unit detects the status of the image-taking optical system, and selectively carries out, depending on the detected status of the image-taking optical system, a first stop judgement that the focusing lens has stopped at the target position by detecting that the count value of pulse signals from the pulse generator has reached a count value corresponding to the target position, and a second stop judgement that the focusing lens

has stopped at the target position by detecting that the output signal from the pulse generator does not change for a predetermined period or more.

Claim 6 (original). The lens apparatus according to Claim 5, wherein the stop judging unit detects the focal length of the image-taking optical system as the status of the image-taking optical system, and carries out the first stop judgement when the focal length of the image-taking optical system is closer to the wide-angle side than a predetermined focal length, and carries out the second stop judgement when the focal length of the image-taking optical system is closer to the telephoto side than the predetermined focal length.

Claim 7 (original). The lens apparatus according to Claim 5, wherein the image-taking optical system includes a stop, the stop judging unit detects a set value of the stop as the status of the image-taking optical system, and carries out the first stop judgement when the set value of the stop is closer to the narrowed side than a predetermined value, and carries out the second stop judgement when the set value of the stop is closer to the open side than the predetermined value.

Claim 8 (original). The lens apparatus according to Claim 5, wherein the stop judging unit transmits a signal indicating that the focusing lens is being stopped to the camera when the stop judgement is carried out.

Claim 9 (original). The lens apparatus according to Claim 5, wherein in the second stop judgement, the predetermined period differs depending on the status of the image-taking optical system.

Claim 10 (original). A camera system comprising:
a lens apparatus according to Claim 5, and
a camera to which the lens apparatus is attachable.

Claim 11 (new). A camera comprising:

an image-taking optical system which includes a focus unit movable in an optical axis direction;

a target position setting unit which sets a target position of the focusing unit to be moved;

a drive unit which drives the focusing unit;

a counter which counts pulse signals generated in accordance with the movement of the focusing unit;

a status detecting unit which detects the status of the image-taking optical system; and

a controller which controls the drive unit to stop at the following times selected on the basis of the status detected by said status detecting unit: when the counted pulses indicate the target position or when the counted pulses do not change for a predetermined period.

Claim 12 (**new**). A lens apparatus attachable to a camera comprising:

an image-taking optical system which includes a focusing unit movable in an optical axis direction;

a drive unit which drives the focusing unit to a target position;

a counter which counts pulse signals generated in accordance with the movement of the focusing unit;

a status detecting unit which detects the status of the image-taking optical system; and

a controller which controls the drive unit to stop at one of the following times selected on the basis of the status detected by said status detecting unit: when the counted pulses indicate the target position or when the counted pulses do not change for a predetermined period.

Claim 13 (**new**). A camera comprising:

an image-taking optical system which includes a focusing unit movable in an optical axis direction;

a target position setting unit which sets a target position of the focusing unit to be moved;

a drive unit which drives the focusing unit;

a position detecting unit which detects the position of the focusing unit;

a status detecting unit which detects the status of the image-taking optical system; and

a controller which controls the drive unit to stop at one of the following times selected on the basis of the status detected by said status detecting unit: when the position detecting unit detects the target position or when the detected position does not change for a predetermined period.

Claim 14 (**new**). A lens apparatus attachable to a camera, comprising:

an image-taking optical system which includes a focusing unit movable in an optical axis direction;

a drive unit which drives the focusing unit to a target position;

a position detecting unit which detects the position of the focusing unit;

a status detecting unit which detects the status of the image-taking optical system; and

a controller which controls the drive unit to stop at one of the following times selected on the basis of the status detected by said status detecting unit: when the position detecting unit detects the target position or when the detected position does not change for a predetermined period.

Claim 15 (**new**). The camera according to claim 11, wherein

the image-taking optical system further comprises a zoom lens unit; and

the status of the image-taking optical system represents the position of the zoom lens unit.

Claim 16 (**new**). The camera according to claim 11, wherein

the image-taking optical system further comprises a stop unit; and

the status of the image-taking optical system represents the aperture value of the stop unit.

Claim 17 (**new**). The lens apparatus according to claim 12, wherein the image-taking optical system further comprises a zoom lens unit; and the status of the image-taking optical system represents the position of the zoom lens unit.

Claim 18 (**new**). The lens apparatus according to claim 12, wherein the image-taking optical system further comprises a stop unit; and the status of the image-taking optical system represents the aperture value of the stop unit.

Claim 19 (**new**). The camera according to claim 13, wherein the image-taking optical system further comprises a zoom lens unit; and the status of the image-taking optical system represents the position of the zoom lens unit.

Claim 20 (**new**). The camera according to claim 13, wherein the image-taking optical system further comprises a stop unit; and the status of the image-taking optical system represents the aperture value of the stop unit.

Claim 21 (**new**). The lens apparatus according to claim 14, wherein the image-taking optical system further comprises a zoom lens unit; and the status of the image-taking optical system represents the position of the zoom lens unit.

Claim 22 (**new**). The lens apparatus according to claim 14, wherein the image-taking optical system further comprises a stop unit; and

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the status of the image-taking optical system represents the aperture value of the stop unit.